



July 22, 2013

Stephanie Vaughn, Project Manager  
USEPA Region 2  
290 Broadway, 19<sup>th</sup> Floor  
New York, New York 10007

Subject: ***July 2013 Background Fish & Decapod Tissue Environmental Data Submission  
Lower Passaic River Study Area (LPRSA)  
Remedial Investigation/Feasibility Study (RI/FS)  
CERCLA Docket No. 02-2007-2009***

Dear Ms. Vaughn:

Enclosed please find two Multimedia Electronic Data Deliverable (MEDD) files for submittal as validated Fall 2012 Background Fish and Decapod Tissue sampling results associated with the July 2013 Monthly Progress Report of the Lower Passaic River (LPRSA) Remedial Investigation/Feasibility Study (RI/FS). The first file in this submittal (LPR20130717.NJD980528996.zip) includes new validated field sample results and associated laboratory QC data.

The second file (LPR20130717.NJD980528996.K1303473.zip) includes previously submitted field sample results for SDG K1303473 from ALS Environmental. The data in this file were previously submitted with incorrect values in the validation\_level field in the TestResultQC\_v3.txt file. The validation level has been confirmed with the data validators and updated as appropriate.

The validated data zip archive files comprising this deliverable contain the following individual text files:

- LPR20130717.NJD980528996.Batch\_v3.txt
- LPR20130717.NJD980528996.DataProvider\_v3.txt
- LPR20130717.NJD980528996.Location\_v3.txt
- LPR20130717.NJD980528996.Sample\_v3.txt
- LPR20130717.NJD980528996.Site\_v3.txt
- LPR20130717.NJD980528996.TestResultQC\_v3.txt

If you have any questions regarding this data submittal please contact me at 651-842-4232 or mkill@ddmsinc.com.

Sincerely,

**de maximis Data Management Solutions, Inc.**

A handwritten signature in black ink that reads "Mark D. Kill". The signature is written in a cursive, flowing style.

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Mark D. Kill

**LPRSA RI/FS**  
**Background Tissue Sampling**  
**Data Submittal**  
**7/22/2013**



CPG Data Manager

/mdk

Attachment: Zip file with validated results MEDD

cc: Bill Potter – *de maximis, inc.*  
 Rob Law – *de maximis, inc.*

The following is a list of reference values to be added to the EPA database.

Table	Column	Value	Description
TestResultQC_v3.txt	cas_rn	36643-28-4	tributyltin cation
TestResultQC_v3.txt	cas_rn	215587/53703	Dibenz(a,c+a,h)anthracene
TestResultQC_v3.txt	cas_rn	205823/207089	Benzo(j,k)fluoranthene
TestResultQC_v3.txt	cas_rn	12789-03-6	gamma-Chlordane
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	SW6010C	INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY METHOD C
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	SW6020A	INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY (METALS) - Revision A
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	SW8270D	SEMIVOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MA SS SPECTROMETRY (GC/MS) Revision D
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	SW8082A	PCBs by Gas Chromatography Revision A
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	SW8270D SIM	SEMI-VOLITILE ORGANIC COMPOUNDS BY SELECTIVE ION METHOD
Batch_v3.txt, TestResultQC_v3.txt	lab_anl_method_name	E1668C	EPA Method 1668, Revision C, Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS

The following errors generated by the EDP EDD checking software are not actually errors:

Table	Column	Error	Description
Location_v3.txt	alt_identifier	Missing required field	This field is not required in the schema. Documentation of the MEDD format says to leave blank
Location_v3.txt	elev_unit, horz_accuracy_unit, horz_accuracy_value, horz_collect_method_code, horz_datum_code, latitude, longitude, surf_elev	Missing required field	UPRX - location assigned to tissue samples containing specimens from multiple reaches of the river. Because the specimens from which these samples were composited were collected from multiple reaches of the river, spanning several miles, it would not be appropriate to associate a coordinate location to this location ID.
TestResultQC_v3.txt	detect_flag	Result_value is required where detect_flag=Y.	This error message exists in cases of co-eluting PCB congeners. Each PCB congener result is being stored as a separate record in the CPG database. In cases of co-elutions, per EPA request, only the congener with the lowest IUPAC number receives a result value. Both records receive a qualifier of "C" plus the IUPAC number of the lowest number congener in the co-elution to indicate the linkage between the two result records.
TestResultQC_v3.txt	interpreted_qualifiers	Invalid Qualifier	Per EPA/CDMSmith request, for PCB congener results, co-elutions are identified in the interpreted_qualifier field with a 'C####' qualifier. The '####' represents the lowest IUPAC congener number in the co-elution.
TestResultQC_v3.txt	lab qualifiers, interpreted_qualifiers	Invalid Qualifier, Value Exceeds Field Length	1.) Field contains original laboratory qualifiers. Lab qualifiers were transferred to interpreted_qualifiers field for lab QC data which does not receive validation. 2.) CPG has been instructed to use the 'EMPC' as a qualifier for results flagged as Estimated

Table	Column	Error	Description
			Maximum Potential Concentration by the laboratories. Adding this as a qualifier often exceeds qualifier field length when paired with other laboratory and validation qualifiers.
TestResultQC_v3.txt	validator_qualifiers	Missing required field	Records were validated (Validated_yn = "Y") but were not qualified by the validator, therefore validator_qualifier should be left as null.